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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/687,700	10/12/2000	Feng Qian	00-285	8511
7590	05/24/2004		EXAMINER	
Duane Morris LLP One Market, Spear Tower Suite 2000 San Francisco, CA 94105-1104			PHAN, MAN U	
			ART UNIT	PAPER NUMBER
			2665	

DATE MAILED: 05/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/687,700	QIAN, FENG	
	Examiner	Art Unit	
	Man Phan	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 12 October 2000.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1 and 5 is/are rejected.
- 7) Claim(s) 2-4, 6 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 12 October 2000 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

1. This communication is in response to applicant's in the application of Feng for "Frame matching method" filed 10/12/2000. Claims 1-6 are pending in the application.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: Reference (131) as shown in Fig. 1, and reference (208) as shown in Fig. 2. Correction is required.

3 The drawings filed on 10/12/2000 are acceptable subject to correction of the informalities indicated above. proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance. .

Claim Rejections - 35 USC ' 112

4 The following is a quotation of the second paragraph of 35 U.S.C. 112:
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5 Claim 1 recites limitation "the size" in line 1. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 5 recites limitation "the ratio between A/B" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

7. Claims 1, 5 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter:
The instant application is deemed to be directed to a nonobvious improvement over the prior art. The improvement comprises making number of copies of the original L symbols that results in N symbols; the storing in a digital memory a first integer number (M) of copies of each of a first group of the original symbols, where M is greater than 1; and storing in the digital memory at least one copy of each of a second group of the original symbols, as specifically recited in the claim. The instant invention, in combination with the other claimed features, improves upon the Prior Art by providing a method for processing frames having a certain size in systems configured for frames having a different size.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

9. This application is in condition for allowance except for the following formal matters as indicated in paragraphs 2-6 above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The Tsumura (US#6,580,762) is cited to show the rate matching method.

The Hammons, Jr. (US#6,601,214) is cited to show the system and method employing a rate matching algorithm for providing optimized puncturing patterns for turbo encoded data in a communications network.

The Park et al. (US#6,397,367) is cited to show the device and methods for channel coding and rate matching in a communication system.

The Yun et al. (US#6,622,281) is cited to show the rate matching method in mobile communication system.

The Wang (US#5,802,079) is cited to show the transmission system for digital audio broadcasting.

The Niegel (US#5,802,122) is cited to show the transmission system comprising a matching circuit.

11. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703)308-9051, (for formal communications intended for entry)

or:

(703)308-5399, (for informal or draft communications, please label “PROPOSED” or “DRAFT”

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystals Drive, Arlington, VA., Sixth Floor (Receptionist).

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Phan whose telephone number is (703)305-1029. The examiner can normally be reached on Mon - Fri from 6:30 to 3:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (703) 308-6602. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800/4700.

MPhan

05/21/2004

Man u. Phan

MAN PHAN
PATENT EXAMINER